

MODEL WP-1 LCV





WP-1 LCV Tested and certified by NSF International against NSF/ANSI Standard 53 for the reduction of claims specified on the performance data sheet.

Please read carefully before proceeding with installation. Your failure to follow any attached instructions or operating parameters may lead to the product's failure and possible damage to property.

Refer to enclosed warranty for operating parameters to ensure proper use with your water supply.

Watts Premier, Inc. Phone: 800-752-5582

Manual #: 199362

8716 W Ludlow Drive Suite #1 www.wattspremier.com

Peoria, AZ 85381 Fax: 623-866-5666

Manual Date: 05/18/2012

Thank you for your purchase of a state of the art Watts Premier Water Treatment system.

WP-1 LCV Water Treatment System:

Watts Premier WP-1 LCV water treatment system contains a heavy duty lead, cyst and VOC filter block. This specialty formulated block is capable of reducing lead, cryptosporidium, Giardia, Entamoeba as well as harmful Volatile Organic Chemicals (See performance data sheet for complete list of VOC's). It is estimated that VOC's are present in one-fifth of the nation's water supplies. These water contaminants can enter ground water from a variety of sources including localized use of herbicides and pesticides, gasoline or oil spills, leaking underground fuel tanks, septic system cleaners, and chemicals used in the dry-cleaning industry. See performance data sheet for individual contaminants and reduction performance.

System Maintenance

Just because you can not taste it, does not mean that it is not there. Many contaminants in the drinking water are undetectable to the taste. Additionally, over time if you do not replace the filter element, other bad tastes and odors will be apparent in your drinking water. This is why it is important to change out your filter at the recommended intervals as indicated in this system manual. When replacing any of the filter elements, pay special attention to any cleaning instructions. Should you have any further questions please refer to our website at www.wattspremier.com or call our customer service dept. at 1-800-752-5582.

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Maintenance Record

Date of Purchase:	Date of install:	installed by:
NOTES:		

Operational Parameters

Installation needs to comply with state and local plumbing regulations. This system is intended to be installed on the cold supply line only.

	Maximum	Minimum
Operational Temperature	100°F (37.8°C)	40°F (4.4°C)
Operating Pressure	100 psig (7.43 g/cm ²)	20 psig (1.406 kg/cm ²)
pH Parameters	10	5
Flow Rate	0.5 GPM @ 60 psig	

Contents of Under Counter System

- 1 WP-1 Unit
- 1 Filter
- 1 Parts Bag

If any of the items are missing, please contact Watts Premier prior to installing

Tools Recommended For Installation

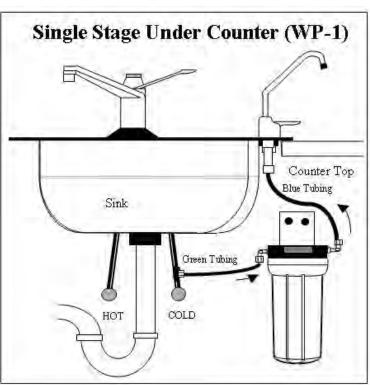
- √ A small knife
- √ Variable Speed drill
- $\sqrt{1/8}$ " (3mm), 1/4" (6.4 mm) and 7/16" (11.0mm) Drill bits
- $\sqrt{1/2}$ " and 5/8" open-end wrenches (or adjustable Wrenches)
- √ Phillips screwdriver

Installation

This system has been designed to fit under most kitchen sinks. Please read carefully before proceeding with installation.

Step 1: Mounting System Under Sink

- (a) Locate a space under the sink that allows the unit to be mounted close to the cold water supply and allows for easy access during maintenance and filter changes. System must be installed to the cold water supply only. Allow approximately 2" (5cm) clearance between the bottom of the filter housing and the floor of the sink cabinet.
- (c) Using the mounting hole on the bracket, mark the location for the mounting screws on the cabinet wall under the sink.
- (d) Screw the (2) screws into the wall at the marked location.
- (e) Hang the module on the screws using the mounting holes in the bracket.



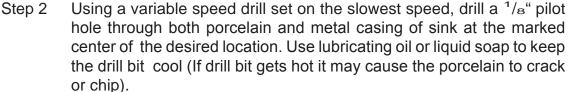
Drill a Hole for the Faucet in a Porcelain Sink

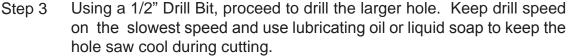
Note: Most sinks are pre drilled with 1 ½" or 1 ¼" diameter hole that you can use for your faucet. (If you are already using it for a sprayer or soap dispenser, see step 1)

Porcelain sinks are extremely hard and can crack or chip easily.
Use extreme caution when drilling. Watts Premier accepts no responsibility for damage resulting from the installation of faucet.

Diamond tip drill bit is recommended for drilling in porcelain.

Step 1 Determine desired location for the faucet on your sink and place a piece of masking tape over where the hole is to be drilled. Mark the center of the hole on the tape.





Step 4 Make sure the surroundings of the sink are cooled before mounting the faucet to the sink after drilling and remove all sharp edges.



Punch a Hole for the Faucet in a Stainless Steel Sink

Note: If mounting faucet to a Stainless Steel Sink you will need a 1/2" Hole Punch. The faucet opening should be centered between the back splash and the edge of the sink, ideally on the same side as the vertical drain pipe.

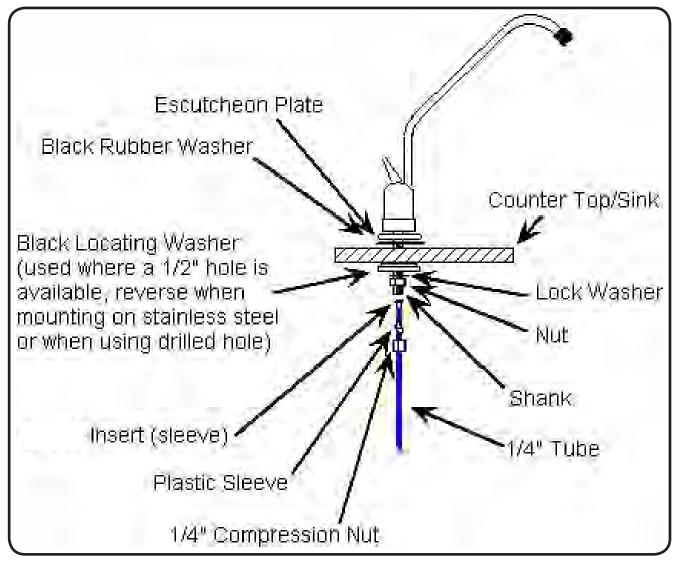


Step 5 Drill a $\frac{1}{2}$ " pilot hole. Use a $\frac{1}{2}$ " Hole Punch and an adjustable wrench to punch the hole in the sink.



The faucet can now be installed.

Installation of Faucet



- Step 1 Place the escutcheon chrome plate and the black rubber washer on the faucet shank. (Parts found in faucet parts bag).
- Step 2 Insert the faucet shank through the hole in sink and let it rest on the sink top.
- Step 3 From the underside of the sink, slide on the locating washer, lock washer and brass nut onto the shank. Check orientation of faucet then tighten brass nut securely.
- Step 4 Connect blue tube from the filtration system to the faucet shank.

 Place the brass nut onto the tube, followed by the plastic sleeve (tapered end pointing to the end of tube) and then place the plastic insert into the end of the tube.
- Step 5 Insert the assembled blue tube into the end of the faucet shank and use a wrench to tighten the brass nut securely.

Adapt-a-Valve Installation

Caution: Water supply line to the system must be from the cold water supply line. Hot water will severely damage your system.

- (A) Turn off the main supply water to the house.
- (B) Turn off the cold water supply to the faucet by turning the angle stop valve clockwise until it is completely off. Drain any water in the line by opening the faucet cold side.
- (C) Attach adapt-a-valve as illustrated in the center photo below, choosing the configuration that fits your plumbing.
- (D) Attach the loose end of the green tube to the Adapt-a-Valve. Insert the green tube into the 1/4" opening on the adapt-a-valve until it stops.
- (E) Turn on water supply and open the Adapt-a-valve. Check for leaks.

Configuration:



Configuration for 3/8" (With Brass Fittings) * Insert White Washer



Supply Supply



Configuration for 1/2" (Without Brass Fittings)

System Start Up

- (A) Turn faucet handle to the open position to start the flow of water through the unit. Run 7 gallons of water through the unit in order to flush out the normal black carbon fines (it will "sputter" until the air is purged out) from the unit. Initially, the water may appear cloudy which is due to tiny air bubbles and it will clear up shortly. Close the faucet when finished.
- (B) Check for leaks. If you have any leaks, shut off the water supply to your system, tighten any fittings / housings and restart unit.

FILTER CHANGE

Watts Premier recommends changing the filter element every 6 months.

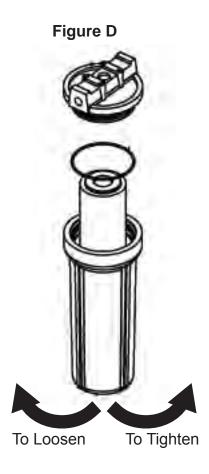
Use Watts Premier's replacement cartridge only. Other filters may look the same, but only filters by Watts are manfactured to fit your WP-1 filter unit in order to ensure proper reduction of water contaminants.

Carbon Block Filter WP-1 LCV

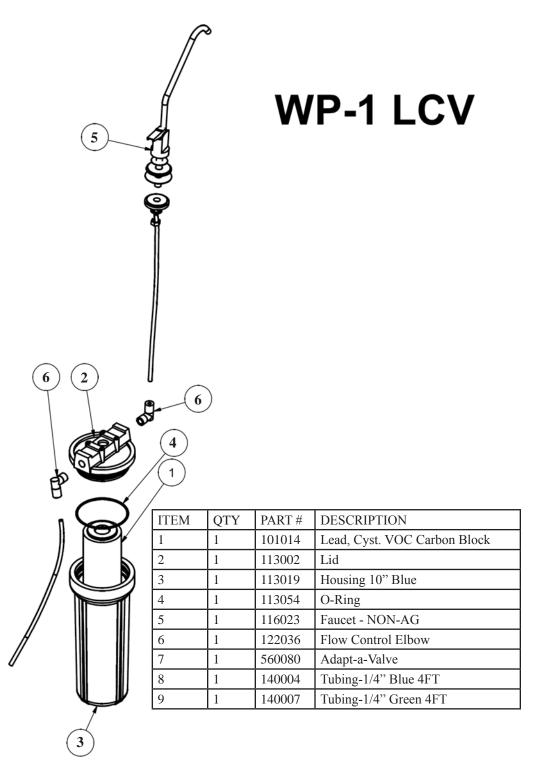
Part# 101014

- (a) Turn off incoming water supply to the WP-1 at the adapta-valve. Note: There will be water in the filter housing. Lift the faucet handle to relieve the water pressure.
- (b) Remove filter housing from lid by turning it to the left, as shown in Figure D.
- (c) Remove used filter cartridge and discard. NOTE: Do not discard filter-housing o-ring.
- (d) Clean inside of filter housing with warm soapy water and rinse to remove soap
- (e) Lubricate o-ring with water-soluble lubricant (i.e. K-Y Jelly

 ® or Silicone lubricant).
 NOTE: Do not use Petroleum based lubricants such as Vaseline ®.
- (f) Seat o-ring in groove in filter housing and insert new filter cartridges into filter housing.
- (g) Screw filter housing onto lid as shown in Figure D.
- (h) Turn on water supply to filter unit at the Adapt-a-Valve.
- (i) Check system for leaks.







Performance Data Sheet Watts Premier Inc. 8716 W Ludlow Drive Suite #1

Peoria, AZ 85381 WP-1 LCV

GENERAL USE CONDITIONS:

1: System to be used with municipal or well water sources treated and tested on regular basis to insure bacteriological safe quality. DO NOT use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

2: Operating Temperature: Maximum 100°F (40.5°C) Minimum 40°F (4.4°C) 3: Operating Water Pressure: Maximum 100-psi (7.43 kg/cm²) Minimum 20-psi

4: Maximum flow Rate: 0.50 gpm (1.89 lpm)
5: Rated Capacity: 600 Gallons (2,200 liters)

RECOMMENDED REPLACEMENT PARTS AND CHANGE INTERVAL:

Note: Depending on incoming feed water conditions replacement time frame may vary.

Description Part Number Change time Frame Cost
Stage 1: Carbonblock 101014 6 Months or 600 gallons of water \$28.95

This system has been tested according to NSF/ANSI Standard 53 for the reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissable limit for water leaving the system, as specified in NSF/ANSI 53. Testing performed under standard laboratory conditions, actual performance may vary.

California Proposition 65 Warning

WARNING: this product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (Installer: California law requires that this warning be given to the consumer). For more information: www.wattsind.com/prop65.

Substance	Percent Reduction	Influent Challenge Concentration (mg/L unless noted)	Maximum Permissible Product Water Concentration
ALACHLOR*	>98%	0.04 +/- 0.10	0.002
ATRAZINE*	>97%	0.009 +/- 0.10	0.003
BENZENE*	>99%	0.015 +/- 0.10	0.005
BROMODICHLOROMETHANE (TTHM)*	>99.8%	0.300 +/- 0.30	0.015
BROMOFORM (TTHM)*	>99.8%	0.300 +/- 0.30	0.015
CARBOFURAN (Furadan)*	>99%	0.08 +/- 0.10	0.04
CARBON TETRACHLORIDE*	98%	0.015 +/- 0.10	0.005
CHLORDANE		0.04 +/- 0.10	0.002
CHLOROBENZENE (Monochlorobenzene)*	>99%	2.0 +/- 0.10	0.1
CHLOROFORM (TTHM)*	>99.8%	0.300 +/- 0.30	0.015
CRYPTOSPORIDIUM (see Cyst)	99.99%	minimum 50,000/mL	99.95%
CYST	99.99%	minimum 50,000/mL	99.95%
2, 4-D*	98%	0.210 +/- 0.10	0.07
DBCP (see Dibromochloropropane)*	>99%	0.052	0.00002
1,2-DCA (see 1,2-DICHLOROETHANE)*	95%	0.088	0.0048
1,1-DCE (see 1,1-DICHLOROETHYLENE)*	>99%	0.083	0.001
DIBROMOCHLOROMETHANE (TTHM;Chlorodibromomethane)*	>99.8%	0.300 +/- 0.30	0.015
DIBROMOCHLOROPROPANE (DBCP)*	>99%	0.004 +/- 0.10	0.0002
o-DICHLOROBENZENE (1,2 Dichlorobenzene)*	>99%	1.8 +/- 0.10	0.6
p-DICHLOROBENZENE (para-Dichlorobenzene)*	>98%	0.225 +/- 0.10	0.075
1,2-DICHLOROETHANE (1,2-DCA)*	95%	0.015 +/- 0.10	0.005
1,1-DICHLOROETHYLENE (1,1-DCE)*	>99%	0.021 +/- 0.10	.007
CIS-1,2-DICHLOROETHYLENE*	>99%	1.4 +/- 0.10	0.07
TRANS-1,2- DICHLOROETHYLENE*	>99%	2.0 +/- 0.10	0.1
1,2-DICHLOROPROPANE (Propylene Dichloride)*	>99%	0.015 +/- 0.10	0.005
CIS-1,3- DICHLOROPROPYLENE*	>99%	0.079	0.001
DINOSEB*	99%	0.021 +/- 0.10	0.007
EDB (see ETHYLENE DIBROMIDE)*	>99%	0.044	0.00002
ENDRIN*	99%	0.006 +/- 0.10	0.002

Substance	Percent Reduction	Influent Challenge Concentration (mg/L unless noted)	Maximum Permissible Product Water Concentration
ENTAMOEBA	99.99%	minimum 50,000/mL	99.95%
ETHYLBENZENE*	>99%	2.1 +/- 0.10	0.7
ETHYLENE DIBROMIDE (EDB)*	>99%	0.001 +/- 0.10	0.00005
FURADAN (see CARBOFURAN)*	>99%	0.19	0.001
HALOACETONITRILES (HAN)*			
BROMOCHLOROACETONITRILE	98%	0.022	0.0005
DIBROMOACETONITRILE	98%	0.024	0.0006
DICHLOROACETONITRILE	98%	0.0096	0.0002
TRICHLOROACETONITRILE	98%	0.015	0.0003
HALOKETONES (HK):*			
1,1-DICHLORO-2-PROPANONE	99%	0.0072	0.0001
1,1,1-TRICHLORO-2-PROPANONE	96%	0.0082	0.0003
GIARDIA LAMBLIA (see Cyst)	99.99%	minimum 50,000/mL	99.95%
HEPTACHLOR*	>99%	0.25	0.00001
HEPTACHLOR EPOXIDE*	98%	0.0107	0.0002
HEXACHLOROBUTADIENE (Perchlorobutadiene)*	>98%	0.044	0.001
HEXACHLOROCYCLOPENTADIENE*	>99%	0.060	0.000002
LEAD pH 6.5	99%	0.15 +/- 10%	0.010
LEAD pH 8.5	99%	0.15 +/- 10%	0.010
HEPTACHLOR (H-34, HEPTOX)	3378	0.08 +/- 0.10	0.0004
HEPTACHLOR EPOXIDE		0.004 +/- 0.10	0.0002
HEXACHLOROCYCLOPENTADI		0.15 +/- 0.10	0.05
LINDANE*	>99%	0.002 +/- 0.10	0.0002
METHOXYCHLOR*	>99%	0.12 +/- 0.10	0.04
METHYLBENZENE (see TOLUENE)*	>99%	0.015 +/- 0.20	0.005
MONOCHLOROBENZENE (see CHLOROBENZENE)*	>99%	0.077	0.001
PCE (see TETRACHLOROETHYLENE)*	>99%	0.081	0.001
PENTACHLOROPHENOL*	>99%	0.01 +/- 0.10	0.001
PERCHLOROBUTADIENE (see HEXACHLOROBUTADIENE)*	>98%	0.044	0.001
PROPYLENE DICHLORIDE (see 1,2 -DICHLOROPROPANE)*	>99%	0.080	0.001
POLYCHLORINATED BIPHENYLS (PCBs, Aroclor 1260)		0.01 +/- 0.10	0.0005
SIMAZINE*	>97%	0.012 +/- 0.10	0.004
SILVEX (see 2,4,5-TP)*	99%	0.270	0.0016
STYRENE (Vinylbenzene)*	>99%	2.0 +/- 0.10	0.1
1,1,1-TCA	95%	0.084	0.0046
(see 1,1,1 - TRICHLOROETHANE)* TCE (see TRICHLOROETHYLENE)*	>99%	0.180	0.0010
1,1,2,2- TETRACHLOROETHANE*	>99%	0.081	0.001
TETRACHLOROETHYLENE*	>99%	0.015 +/- 0.10	0.005
TOLUENE (Methylbenzene)*	>99%	3.0 +/- 0.10	1
TOXOPLASMA		minimum 50,000/mL	99.95%
2,4,5-TP (Silvex)*	99%	0.15 +/- 0.10	0.05
TRIBROMOACETIC ACID*	00,0	0.042	0.001
TOXAPHENE		0.015 +/- 0.10	0.003
1,2,4 TRICHLOROBENZENE (Unsymtrichlorobenzene)*	>99%	0.21 +/- 0.10	0.07
1,1,1-TRICHLOROETHANE (1,1,1-TCA)*	95%	0.6 +/- 0.10	0.2
1,1,2-TRICHLOROETHANE*	>99%	0.015 +/- 0.10	0.005
TRICHLOROETHYLENE (TCE)*	>99%	0.300 +/- 0.10	0.005
TRIHALOMETHANES (TTHM) (Chloroform; Bromoform;	>99.8%	0.45 +/- 0.20	0.080
Bromodichloromethane; Dibromochloromethane) Unsym-Trichlorobenziene (see 1,2,4-	>99%	0.160	0.0005
TRICHLOROBENZENE)* Vinylbenzene (see STYRENE)*	>99%	0.150	0.0005
VIII YIDGIIZGIIG (GGG OT I INLINE)	>3370	0.130	0.0003

State of California Department of Health Services

Water Treatment Device Certificate Number 05 - 1728

Date Issued: August 17, 2005

Trademark/Model Designation	Replacement Element(s)
WP-1-LCV	Sediment Pre-filter: 104023 Lead, Cysts, VOC Filter: #101014 Lead, Cysts, VOC Filter: #101014
WP-2-LCV	Sediment Pre-filter: 104023 Lead, Cysts, VOC Filter: #101014 Lead, Cysts, VOC Filter: #101014

Manufacturer: Watts Premier

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 116830 of the Health and Safety Code for the following-health related contaminants:

Microbiological Contaminants and Turbidity

Inorganic/Radiological Contaminants

Cysts

VOCs

Organic Contaminants

Alachlor Atrazine Benzene Carbofuran Carbon Tetrachloride Chlorobenzene Chloropicrin 2,4-D DBCP o-Dichlorobenzene p-Dichlorobenzene 1.2-Dichloroethane 1.1-Dichloroethylene cis-1,2-Dichloroethylene trans-1,2-Dichloroethylene 1,2-Dichloropropane cis-1,3-Dichloropropylene Dinoseb

Endrin Ethylbenzene Haloacetonitriles (HAN) Bromochloroacetonitrile Dibromoacetonitrile Dichloroacetonitrile Trichloroacetonitrile Haloketones (HK) 1,1-Dichloro-2-Propanone 1,1,1-Trichloro-2-Propanone Heptachlor Heptachlor Epoxide Hexachlorobutadiene Hexachlorocyclopentadiene Lindane Methoxychlor Pentachlorophenol

Lead

Simazine Styrene 1,1,2,2-Tetrachloroethane Tetrachloroethylene Toluene 2,4,5-TP (Silvex) Tribromoacetic Acid 1.2.4-Trichlorobenzene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene Trihalomethanes (THMs) Bromodichloromethane Bromoform Chloroform Chlorodibromomethane Xylenes |

Rated Service Capacity: 600 gal

Rated Service Flow: 0.5 gpm

Do not use where water is microbiologically unsafe or with water of unknown quality, except that systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

Removing chlorine from your shower

Special Chlorgon & KDF media – More effective then carbon medias with hot water applications in the removal of the following.

- √ Free Chlorine (CL-) √ Iron oxide (rust water)
- √ Combined Chlorine (Sodium Hypochlorite) √ Dirt, sediment
- √ Hydrogen Sulfide (Rotten egg smell) √ Odors
- √ Plus, its pH balanced.



Deluxe Shower Handle with Built in Filter

5-Way Massaging Spray 72" Reinforced Hose High Strength Bracket Triple Plated Finish Reversible Filter Cartridge (Model HHC)

Cartridge Life Rating: 3 months

Part No. 107070 WHITE *\$38.95 Part No. 107091 CHROME *\$44.95

Part No. 107092 *\$44.95 GOLD

Replacement filters 2PK



Part No. 107075 *\$15.95/pk



Shower Falls Deluxe Shower Handle with Built in Filter

Curved Ergonomic Shower Handle Replacement filters 2PK

Filter Handle Extension **Dual Swivel Adjustment** Ultra Deluxe 5 Way Massaging Spray

72" Reinforced Hose

Chrome Plated Brass Bracket & Swivel Ball Extension

Triple Plated Finish

Reversible Filter Cartridge (Model HHC)

Cartridge Life Rating: 3 months Part No. 107095 CHROME *\$55.95

Part No. 107075 *\$15.95/pk

*\$39.95







All-In-One reversible High-Flow Filter

Deluxe 5-Way Massaging Spray Soft-Touch Adjustment Pads Anti-Scaling Spray Nozzle High Strength Housing Triple Plated Finish Cartridge Life Rating: 6 months

Part No. 107098 White/Chrome

Replacement filter



Part No. 107080 *\$13.95/ea

^{*}All prices subject to change without notice.



8716 W Ludlow Drive Suite #1 • Peoria, AZ 85381 Limited Warranty

What your Warranty Covers:

If any part of your WATTS PREMIER WP-1 is defective in workmanship (excluding replaceable filters), return unit after obtaining a return authorization (see below), within 3 year of original retail purchase, WATTS PREMIER will repair or, at WATTS PREMIER'S option, replace the system at no charge.

How to obtain Warranty Service:

For warranty service, call 1-800-752-5582 for a return authorization number. Then, ship your unit to our factory, freight and insurance prepaid, with proof of date of original purchase. Please include a note stating the problem. Premier will repair it, or replace it, and ship it back to you prepaid.

What this warranty does not cover:

This warranty does not cover defects resulting from improper installation, (contrary to WATTS PREMIER'S printed instructions), from abuse, misuse, misapplication, improper maintenance, neglect, alteration, accidents, casualties, fire, flood, freezing, environmental factors, water pressure spikes or other such acts of God.

This warranty will be void if defects occur due to failure to observe the following conditions:

- 1. The WP-1 System must be hooked up to a potable municipal or well cold water supply.
- 2. The pH of the water must not be lower than 5 or higher than 10.
- 3. The incoming water pressure must be between 20 and 100 pounds per square inch.
- 4. Incoming water to the Counter Top cannot exceed 100 degrees F (38 degrees C.)

This warranty does not cover any equipment that is relocated from the site of its original installation.

This warranty does not cover any equipment that is installed or used outside the United States of America and Canada.

LIMITATIONS AND EXCLUSIONS:

WATTS PREMIER WILL NOT BE RESPONSIBLE FOR ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTIBILITY AND FITNESS FOR A PARTICULAR PURPOSE. WATTS PREMIER WILL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING TRAVEL EXPENSE, TELEPHONE CHARGES, LOSS OF REVENUE, LOSS OF TIME, INCONVENIENCE, LOSS OF USE OF THE EQUIPMENT, AND DAMAGE CAUSED BY THIS EQUIPMENT AND ITS FAILURE TO FUNCTION PROPERLY. THIS WARRANTY SETS FORTH ALL OF PREMIER'S RESPONSIBILITIES REGARDING THIS EQUIPMENT.

OTHER CONDITIONS:

If WATTS PREMIER chooses to replace the equipment, WATTS PREMIER may replace it with reconditioned equipment. Parts used in repairing or replacing the equipment will be warranted for 90 days from the date the equipment is returned to you or for the remainder of the original warranty period, whichever is longer. This warranty is not assignable or transferable.

YOUR RIGHTS UNDER STATE LAW:

Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply. This warranty gives you specific legal rights, and you may have other legal rights which vary from state to state.